

New Jersey

Gas
Implementation
Guideline

For

Electronic Data Interchange

TRANSACTION SET

814

**Reinstatement
Request and Response
Ver/Rel 004010**

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Summary of Changes

July 3, 2000	Initial Release
July 12, 2000 Version 1.1	Updated note on segment LIN Updated example on segment ASI Removed Unused Rejection reason codes Updated note(s) on segment REF*PR and REF*PRT
July 19, 2000 Version 1.2	Update REF*007 to include time Updated example
August 2, 2000 Version 1.3	Updated State use notes on Addresses
May 24, 2000 Version 1.4	<ul style="list-style-type: none"> • Segment REF*BN (Rate Amount) moved REF03 description to REF02 and deleted REF03 • Clarified NJ Use on segment REF*RB • Removed from Note section, note on unknown LIN05 • Segment LIN changed "Generation Services" to "Customer Enrollment" • Segment REF*PR, clarified NJNG use note • Segment REF*PRT, corrected element name and changed valid values in note • Added Table of Contents. • Added Data Dictionary.
June 21, 2001 Version 1.5	<ul style="list-style-type: none"> • Added "Tracking number on Request and Response transactions" note in Notes section. • Updated note "Unknown LIN05 codes" in Notes section

Notes	
One Account per 814	<ul style="list-style-type: none"> • An EGS will be required to enroll all of the meters on an account if it enrolls one. • There can be no more than one active EGS per account.
Tracking number on Request and Response transactions	<ul style="list-style-type: none"> • On the request, the LIN01 is a unique tracking number for each line item (LIN) in this transaction. This number must be unique over all time, and is assigned by the sender of the request transactions. This number must be returned on the response transaction (accept or reject), in the same element (LIN01).
Multiple LINs	<ul style="list-style-type: none"> • There may be multiple detail LIN loops for each customer account. • It is important that the sender order the LIN loops in the order they would like them processed for all primary services. • Refer to the LIN segment within this document for a better understanding of primary and secondary services. • The sender may send one service per account per 814 instead of using multiple LIN segments.
Response per LIN	<ul style="list-style-type: none"> • There must be one response LIN for each request LIN. • These responses may be created and sent at different times in different 814 transactions, but all LINs must be responded to within the time limits set by the respective Commission.
Unknown LIN05 codes	If an ESP receives a request for a service that the state does not support, the TSP should reject it with a REF*7G*SDE*SERVICE DOES NOT EXIST
Rejection vs. Acceptance with Status Reason code	<ul style="list-style-type: none"> • A Status Reason code is different than a Rejection Reason code. The Status Reason code is used to give additional information to the receiving party (an FYI). For example, if a request for Historical Usage is sent and the transaction is valid, but historical usage is not available for that customer, the transaction is accepted and a status reason code is provided to explain that the historical usage will not be sent. If a transaction is rejected, the requester is expected to follow up and resubmit; whereas if a transaction is accepted with a status reason code, the requester is not expected to take any further action.
GDC Definitions:	<ul style="list-style-type: none"> • The term GDC (Gas Distribution Company) in this document refers to the utility.
ESP Definitions:	<ul style="list-style-type: none"> • The term ESP (Energy Service Provider) in this document refers to the supplier.

How to Use the Implementation Guideline

Segment: **REF** Reference Identification
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

This section is used to show the X12 Rules for this segment. You must look further into the grayboxes below for State Rules.

Notes:	Recommended by UIG
PA Use:	Must be identical to account number as it appears on the customer's bill, excluding punctuation (spaces, dashes, etc.). Significant leading and trailing zeros must be included.
	Request: Required
	Accept Response: Required
	Reject Response: Required
NJ Use:	Same as PA
Example:	REF*12*2931839200

The "Notes:" section generally contains notes by the Utility Industry Group (UIG).

This section is used to show the individual State's Rules for implementation of this segment.

One or more examples.

Data Element Summary

	Ref.	Data	Name	X12 Attributes
	Des.	Element		
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			12 Billing Account	
			GDC assigned account number for end use customer.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

This column shows the use of each data element. If state rules differ, this will show "Conditional" and the conditions will be explained in the appropriate grayboxes.

These are X12 code descriptions, which often do not relate to the information we are trying to send. Unfortunately, X12 cannot keep up with our code needs so we often change the meanings of existing codes. See graybox for the UIG or state definitions.

This column shows the X12 attributes for each data element. Please refer to Data Dictionary for individual state rules.

M = Mandatory, O = Optional, X = Conditional

AN = Alphanumeric, N# = Decimal value, ID = Identification, R = Real

1/30 = Minimum 1, Maximum 30

814 General Request, Response or Confirmation X12 Structure

Functional Group ID=**GE**

Heading

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BGN	Beginning Segment	M	1		
LOOP ID - N1							>1
	040	N1	Name	O	1		n1
	060	N3	Address Information	O	2		
	070	N4	Geographic Location	O	1		
	080	PER	Administrative Communications Contact	O	>1		

Detail

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID – LIN							>1
	010	LIN	Item Identification	O	1		
	020	ASI	Action or Status Indicator	O	1		
	030	REF	Reference Identification	O	>1		
	040	DTM	Date/Time Reference	O	>1		
	060	AMT	Monetary Amount	O	>1		
LOOP ID - NM1							>1
	080	NM1	Individual or Organizational Name	O	1		n2
	130	REF	Reference Identification	O	>1		

Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	150	SE	Transaction Set Trailer	M	1		

Transaction Set Notes:

1. The N1 loop is used to identify the transaction sender and receiver.

Data Dictionary for Gas 814 Reinstatement

Gas Supply (CE) Request and Response Data Dictionary					
<i>Appl Field</i>	<i>Field Name</i>	<i>Description</i>	<i>EDI Segment</i>	<i>Loop / Related EDI Qualifier</i>	<i>Data Type</i>
1.	Transaction Set Purpose Code	Request = 13 Response = 11	BGN01		X(2)
2.	Transaction Reference Number	A unique transaction identification number assigned by the originator of this transaction. This number must be unique over time.	BGN02		X(30)
3.	System Date	Date that the data was processed by the sender's application system.	BGN03		9(8)
4.	Original Transaction Reference Number	Transaction Reference Number echoed from the Original Request Transaction (BGN02).	BGN06		X(30)
5.	GDC Name	NGDC's Name	N102	N1: N101 = 8S	X(60)
6.	GDC Duns	NGDC's DUNS Number or DUNS+4 Number	N104	N1: N101 = 8S N103 = 1 or 9 N106 = 40 or 41	X(13)
7.	ESP Name	ESP's Name	N102	N1: N101 = SJ	X(60)
8.	ESP Duns	ESP's DUNS Number or DUNS+4 Number	N104	N1: N101 = SJ N103 = 1 or 9 N106 = 40 or 41	X(13)
9.	Customer Name	Customer Name as it appears on the Customer's Bill	N102	N1: N101 = 8R	X(35)
10.	Customer Reference Number	A reference number assigned by and meaningful to the customer. An example would be Store number	N104	N1: N101 = 8R N103 = 1 or 9	X(30)
11.	Service Address	Customer Service Address	N301 & N302	N1: N101 = 8R	X(55)
12.	City	Customer Service Address	N401	N1: N101 = 8R	X(30)
13.	State	Customer Service Address	N402	N1: N101 = 8R	X(2)
14.	Zip Code	Customer Service Address	N403	N1: N101 = 8R	X(9)
15.	County	Customer Service County	N406	N101 = 8R N405 = CO	X(30)
16.	Customer Contact Name	Customer Contact Name	PER02	N1: N101 = 8R PER01= IC	X(60)

17.	Customer Email address	Contact email address for the customer	PER04	N1: N101 = 8R PER01 = IC PER03 = FM	X(80)
18.	Customer Fax Number	Contact Fax Number for the customer	PER06	N1: N101 = 8R PER01 = IC PER05 = FX	X(80)
19.	Customer Telephone Number	Contact Telephone Number for the customer	PER08	N1: N101 = 8R PER01 = IC PER07 = TE	X(10)
20.	Customer Billing Name	Customer Name as it appears on the Customer's Bill	N102	N1: N101 = BT	X(35)
21.	Customer Billing Street Address	Customer Billing Address	N301 & N302	N1: N101 = BT	X(55)
22.	Billing City	Customer Billing Address	N401	N1: N101 = BT	X(30)
23.	Billing State	Customer Billing Address	N402	N1: N101 = BT	X(2)
24.	Billing Zip Code	Customer Billing Address	N403	N1: N101 = BT	X(9)
25.	Billing Country Code	Customer Billing Address	N404	N1: N101 = BT	X(3)
26.	Billing Contact Name	Billing Contact Name	PER02	N1: N101 = 8R PER01= IC	X(60)
27.	Billing Email address	Billing email address for the customer	PER04	N1: N101 = BT PER01 = IC PER03 = FM	X(80)
28.	Billing Fax Number	Billing Fax Number for the customer	PER06	N1: N101 = BT PER01 = IC PER05 = FX	X(80)
29.	Billing Telephone #	Billing Telephone Number related to this billing address	PER08	N1: N101 = BT PER01 = IC PER07 = TE	X(10)
30.	Third Party Name for copies of notices	Name for Third Party to receive copies of notices	N102	N1: N101 = PK	X(35)
31.	Street Address	Address for Third Party to receive copies of notices	N301 & N302	N1: N101 = PK	X(55)
32.	City	Address for Third Party to receive copies of notices	N401	N1: N101 = PK	X(30)
33.	State	Address for Third Party to receive copies of notices	N402	N1: N101 = PK	X(2)
34.	Zip Code	Address for Third Party to receive copies of notices	N403	N1: N101 = PK	X(9)
35.	Country Code	Address for Third Party to receive copies of notices	N404	N1: N101 = PK	X(3)

36.	Third Party Contact Name	Third Party Contact Name	PER02	N1: N101 = PK PER: PER01=IC	X(30)
37.	Third Party Email address	Third Party email address for the customer	PER04	N1: N101 = PK PER01 = IC PER03 = FM	X(80)
38.	Third Party Fax Number	Third Party Number for the customer	PER06	N1: N101 = PK PER01 = IC PER05 = FX	X(80)
39.	Third Party Telephone #	Third Party Telephone Number related to this billing address	PER08	N1: N101 = PK PER01 = IC PER07 = TE	X(10)
40.	Co-Participant Name for copies of notices	Name for Co-Participant to receive copies of notices	N102	N1: N101 = 2C	X(35)
41.	Street Address	Address for Co-Participant to receive copies of notices	N301 & N302	N1: N101 = 2C	X(55)
42.	City	Address for Co-Participant to receive copies of notices	N401	N1: N101 = 2C	X(30)
43.	State	Address for Co-Participant to receive copies of notices	N402	N1: N101 = 2C	X(2)
44.	Zip Code	Address for Co-Participant to receive copies of notices	N403	N1: N101 = 2C	X(9)
45.	Country Code	Address for Co-Participant to receive copies of notices	N404	N1: N101 = 2C	X(3)
46.	Co-Participant Contact Name	Co-Participant Contact Name	PER02	N1: N101 = 2C PER: PER01=IC	X(30)
47.	Co-Participant Email address	Co-Participant email address for the customer	PER04	N1: N101 = 2C PER01 = IC PER03 = FM	X(80)
48.	Co-Participant Fax Number	Co-Participant Number for the customer	PER06	N1: N101 = 2C PER01 = IC PER05 = FX	X(80)
49.	Co-Participant Telephone #	Co-Participant Telephone Number related to this billing address	PER08	N1: N101 = 2C PER01 = IC PER07 = TE	X(10)
50.	Line Item Transaction Reference Number	Unique Tracking Number for each line item in this transaction. This number must be unique over time.	LIN01		X(20)

51.	Gas Supply Indicator	Indicates a customer request to switch to the designated ESP with which he or she has signed a contract for Gas Supply.	LIN05 = CE	LIN02 = SH LIN03 = GAS LIN04 = SH	X(2)
52.	Action Code	Indicates that the transaction is a request, or whether this transaction has been accepted or rejected.	ASI01= Request: 7 Accept Response: WQ Reject Response: U	LIN: ASI02= 021	X(2)
<i>Note that the following REF segments may appear in any order on the actual EDI transaction.</i>					
53.	Rejection Reason Code	Code explaining reason for rejection.	REF02	LIN: REF01= 7G	X(3)
54.	Rejection Reason Text	Text explaining rejection.	REF03	LIN: REF01= 7G	X(80)
55.	ESP Account Number	ESP Customer Account Number	REF02	LIN: REF01= 11	X(30)
56.	GDC Account Number	GDC Customer Account Number	REF02	LIN: REF01= 12	X(30)
57.	Old Account Number	Previous GDC Customer Account Number	REF02	LIN: REF01= 45	X(30)
58.	GDC Billing Cycle	GDC Cycle on which the bill will be rendered	REF02	LIN: REF01= BF	X(2)
59.	Billing Type	Indicates type of billing <ul style="list-style-type: none"> GDC consolidated Billing (REF02=LDC) Dual bills (REF02=DUAL) 	REF02	LIN: REF01= BLT	X(4)
60.	Billing Calculation Method	Indicates party to calculate bill. <ul style="list-style-type: none"> GDC calculates bill (REF02=LDC) - Each party calculates its portion of the bill (REF02=DUAL) 	REF02	LIN: REF01= PC	X(4)
61.	Customer Contract Effective Date/Time	Date/Time ESP entered into contract with customer – used to determine which supplier is the last one in. CCYYMMDD HHMM ZZ	DTM02, DTM03 & DTM04	LIN: DTM01 = 129	See EDI Guide
62.	Service Period Start	Date on which energy is expected to flow to this customer for the designated ESP.	DTM02	LIN: DTM01 = 150	9(8)

Note that the following AMT segments may appear in any order on the actual EDI transaction.

63.	Percent Tax Exemption	Customer's Tax Exemption Percentage – Residential usually 100% (send 1), Commercial/Industrial – anything other than 0% requires you secure tax exemption certificate. (e.g., if 50% send .5)	AMT02	LIN: AMT01= DP	9(1).9(4)
64.	Number of Months	Number of Months over which the Total CCF (AMT*TA) and/or Peak Demand (AMT*MA) are calculated.	AMT02	LIN: AMT01= LD	9(2)
65.	DCQ	GDC's DCQ for customer at time of enrollment	AMT02	LIN: AMT01= MA	9(11).999
66.	Total Therms	Total Therms for the number of months specified in the AMT*LD segment (actual or estimated).	AMT02	LIN: AMT01= TA	9(15)
67.	Meter Number	Number which identifies meter	Request: NM109= ALL Response: NM109= [<i>meter number</i>] or UNMETER ED	NM101= MQ NM102= 3 NM108= 32	X(30)

Note that the following REF segments may appear in any order on the actual EDI transaction.

68.	Rate Amount	ESP Rate for the customer displayed a a monetary amount.	REF02	NM1: REF01= BN	X30
69.	Highest Month Average Daily (HMAD)	Customer/Meter average daily usage for month in which they had the highest use per day. This value is initially set and subject to monthly review to determine if changes are warranted based on customer usage	REF02	NM1: REF01= DQ	X30
70.	GDC Rate Code	Code indicating the rate a customer is being charged by GDC per tariff. Codes posted on GDC's Web site	REF02	NM1: REF01= NH	X(30)
71.	GDC Rate Subclass Code	Used to provide further classification of a rate.	REF02	NM1: REF01= PR	X(30)
72.	Type of Service	Used to provide choice of Capacity Release Option.	REF02	NM1: REF01= PRT	X(1)
73.	ESP Rate Code	ESP rate code for customer	REF02	NM1: REF01= RB	X(30)
74.	Maximum Daily Quantity (MDQ)-	This is on the calculated HMAD to derive a value for a customer's peak day usage. Since this is a function of HMAD it also is initially set and subject to monthly	REF02	NM1: REF01= SJ	X(30)

		review to determine if changes are warranted based on customer usage. This value is a fixed billable unit in NJNGs Tariff.			
75.	GDC Meter Cycle	GDC Cycle on which the meter will be read	REF02	NM1: REF01= TZ	X(2)
76.	Meter Type	Type of Meter	REF02	NM1: REF01= MT	X(5)
<i>The following three fields each require that the Meter Type be shown in REF03:</i>					
77.	Meter Constant/Meter Multiplier	Some factor multiplied by the meter reading to give billed usage.	REF02	NM1: REF01= 4P REF03 = Meter Type (See REF*MT)	9(9).99
78.	Number of Dials / Digits and related decimal positions	Needed to determine usage if meter reading rolls over during the billing period. Number of dials on the meter displayed as the number of dials to the left of the decimal, a decimal point, and number of dials to the right of the decimal.	REF02	NM1: REF01= IX REF03 = Meter Type (See REF*MT)	9.9
79.	Type of metering used for billing	Indicates the type of metering information that will be sent on the 867 transaction.	REF02= 41 (on peak) or 42 (off peak) 43 (intermediate) or 51 (totalizer)	NM1: REF01 = TU REF03 = Meter Type (See REF*MT)	X(2)

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Comments:

NJ Use:	Required
Example:	ST*814*000000001

Data Element Summary

	Ref.	Data	Name	X12 Attributes
	Des.	Element		
Must Use	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			814 General Request, Response or Confirmation	
Must Use	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment: **BGN** Beginning Segment
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a transaction set
Syntax Notes: 1 If BGN05 is present, then BGN04 is required.
Semantic Notes: 1 BGN02 is the transaction set reference number.
 2 BGN03 is the transaction set date.
 3 BGN04 is the transaction set time.
 4 BGN05 is the transaction set time qualifier.
 5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

Comments:

NJ Use:	Required
Request Example:	BGN*13*199904011956531*19990401 (Note: BGN06 not used in the request.)
Response Example:	BGN*11*199904020830531*19990402***199904011956531 (Note: BGN06 is optional on the response.)

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	BGN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 11 Response 13 Request Signifies that the requested service will be addressed as described in this transaction.	M ID 2/2
Must Use	BGN02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier A unique transaction identification number assigned by the originator of this transaction. This number must be unique over time.	M AN 1/30
Must Use	BGN03	373	Date Date (CCYYMMDD) The transaction creation date – the date that the data was processed by the sender's application system.	M DT 8/8
Optional	BGN06	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier If used, refers to the BGN02 identification number of the original Request. Not used on the request. Optional on the response.	O AN 1/30

Segment: **N1** Name (8S = GDC Name)
Position: 040
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

NJ Use:	Request: Required
	Accept Response: Required
	Reject Response: Required
Request Example:	N1*8S*GDC COMPANY*1*007909411**40 (as Receiver)
Response Example:	N1*8S*GDC COMPANY*1*007909411**41 (as Sender)

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			8S Consumer Service Provider (CSP)	
			GDC	
Must Use	N102	93	Name	X AN 1/60
			Free-form name	
			GDC Company Name	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			1 D-U-N-S Number, Dun & Bradstreet	
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
Must Use	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			GDC D-U-N-S Number or D-U-N-S + 4 Number	
Must Use	N106	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual.	
			Used in addition to the N103 and N104 to identify the transaction sender and receiver when more than two parties are identified by N1 loops.	
			40 Receiver	
			Entity to accept transmission	
			41 Submitter	
			Entity transmitting transaction set	

Segment: **N1** Name (SJ = ESP Name)
Position: 040
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

NJ Use:	Request: Required
	Accept Response: Required
	Reject Response: Required for response if provided in the request.
Request Example:	N1*SJ*ESP COMPANY*9*007909422ESP1**41 (as Sender)
Response Example:	N1*SJ*ESP COMPANY*9*007909422ESP1**40 (as Receiver)

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SJ Service Provider ESP	M ID 2/3
Must Use	N102	93	Name Free-form name ESP Company Name	X AN 1/60
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	X ID 1/2
Must Use	N104	67	Identification Code Code identifying a party or other code ESP D-U-N-S Number or D-U-N-S + 4 Number	X AN 2/80
Must Use	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual. Used in addition to the N103 and N104 to identify the transaction sender and receiver when more than two parties are identified by N1 loops. 40 Receiver Entity to accept transmission 41 Submitter Entity transmitting transaction set	O ID 2/3

Segment: **N1** Name (**8R** = Customer Service)

Position: 040

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments:

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2 N105 and N106 further define the type of entity in N101.

NJ Use:	Request: Required
	Accept Response: Required
	Reject Response: Required for response if provided in the request.
Request Examples:	N1*8R*CUSTOMER NAME
Response Example:	N1*8R*CUSTOMER NAME*92*1210 N1*8R*CUSTOMER NAME

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 8R Consumer Service Provider (CSP) Customer Used to identify the customer associated with the GDC service account	M ID 2/3
Must Use	N102	93	Name Free-form name Customer Name as it appears in the sender's system.	X AN 1/60
Conditional	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent Reference Number assigned by and meaningful to the customer. Note that this number is assigned to the GDC and may or may not be applicable to the ESP. Condition: The N103 and N104 are optional only on the Accept Response transaction. This information is provided at the point of time in the enrollment; an 814 change will not be processed if this data changes.	X ID 1/2
Conditional	N104	67	Identification Code Code identifying a party or other code Reference Number assigned by and meaningful to the customer. Note that this number is assigned to the GDC and may or may not be applicable to the ESP. Condition: The N103 and N104 are optional only on the Accept Response transaction. This information is provided at the point of time in the enrollment; an 814 change will not be processed if this data changes. This information may also appear on a Rate Ready 810.	X AN 2/80

Segment: **N3** Address Information
Position: 060
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

NJ Use:	Request:	Required for Customer Service Address
	Response	Not Used
Example:	N3*123 N MAIN ST*MS FLR13	

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	N301	166	Address Information	M AN 1/55
			Address information	
Optional	N302	166	Address Information	O AN 1/55
			Address Information	
			To be used in the event of an overflow from N301	

Segment: **N4 Geographic Location**
Position: 070
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

NJ Use:	Request:	Required for Customer Service Address
	Response	Not Used

Example:	N4*ANYTOWN*NJ*07017
	N4*ANYTOWN*NJ*070171269

Data Element Summary

	Ref.	Data	Name	X12 Attributes
	Des.	Element		
Must Use	N401	19	City Name	O AN 2/30
			Free-form text for city name	
Must Use	N402	156	State or Province Code	O ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency	
Must Use	N403	116	Postal Code	O ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	

Segment: **PER** Administrative Communications Contact
Position: 080
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:**Comments:**

NJ Use:	Used to provide customer contact information
	Request: Must send for Service Address if maintained in the utility system
	Responses Not Used
Examples:	PER*IC**TE*8005559876
	PER*IC*JOE DOE*TE*8005559876*FX*8005551111*EM*JOE@SERVICE.COM

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named IC Information Contact	M ID 2/2
Optional	PER02	93	Name Free-form name	O AN 1/60
Must Use	PER03	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Must Use	PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Optional	PER05	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Optional	PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Optional	PER07	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Optional	PER08	364	Communication Number	X AN 1/80

Segment: N1 Name (BT = Customer Bill to Name)
Position: 040
Loop: N1
Level: Heading:
Usage: Recommended
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

NJ Use:	Request:	Recommend for Billing Address if different than Service Address.
	Response:	<ul style="list-style-type: none"> Not provided by New Jersey Natural Gas and PSE&G
Not Used		
Example:	N1*BT*ACCOUNTS PAYABLE DIVISION	

Data Element Summary

	Ref.	Data	Name	X12 Attributes
	Des.	Element		
Must Use	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			BT Bill-to-Party	
			Used to identify a billing address for the customer	
Must Use	N102	93	Name	X AN 1/60
			Free-form name	

Segment: **N3** Address Information
Position: 060
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

NJ Use:	Request:	Recommend for Billing Address if different than Service Address.
	Response	<ul style="list-style-type: none"> Not provided by New Jersey Natural Gas and PSE&G
		Not Used
Example: N3*123 N MAIN ST*MS FLR13		

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	N301	166	Address Information	M AN 1/55
			Address information	
Optional	N302	166	Address Information	O AN 1/55
			Address Information	
			To be used in the event of an overflow from N301	

Segment: **N4 Geographic Location**
Position: 070
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

NJ Use:	Request:	Recommend for Billing Address if different than Service Address.
	Response:	<ul style="list-style-type: none"> Not provided by New Jersey Natural Gas and PSE&G Not Used
Example: N4*ANYTOWN*NJ*07017		
N4*ANYTOWN*NJ*070171269*US		

Data Element Summary

	Ref.	Data	Name	X12 Attributes
	Des.	Element		
Must Use	N401	19	City Name	O AN 2/30
			Free-form text for city name	
Conditional	N402	156	State or Province Code	O ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency	
Must Use	N403	116	Postal Code	O ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
Optional	N404	26	Country Code	O ID 2/3
			Code identifying the country	

Segment: **PER** **Administrative Communications Contact**
Position: 080
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:**Comments:**

NJ Use:	Request:	Required for Billing Address if different than Service Address and maintained in utility's system.
	Response:	Not Used
Example:	PER*IC*ACCTS PAYABLE*TE*8005559876*FX*8005556789*EM*CUSTOMER@SERVICE.COM	

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named IC Information Contact	M ID 2/2
Optional	PER02	93	Name Free-form name	O AN 1/60
Must Use	PER03	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Must Use	PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Optional	PER05	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Optional	PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Optional	PER07	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Optional	PER08	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80

Segment: **N1** Name (**PK = Party to Receive Copy**)

Position: 040

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes:

- 1** At least one of N102 or N103 is required.
- 2** If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments:

- 1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2** N105 and N106 further define the type of entity in N101.

NJ Use:	Request:	Optional for Party to Receive Copy of Notices (not bills)
		<ul style="list-style-type: none"> New Jersey Natural Gas and PSE&G will not send this information
	Response:	Not Used
Example:	N1*PK*ANN SMITH	

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			PK Party to Receive Copy	
			Used to identify a third party that is to receive a copy of all notices (not bills) to the end use customer.	
Must Use	N102	93	Name	X AN 1/60
			Free-form name	

Segment: **N3** Address Information
Position: 060
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

NJ Use:	Request:	Optional for Party to Receive Copy of Notices (not bills)
		<ul style="list-style-type: none"> New Jersey Natural Gas and PSE&G will not send this information
	Response:	Not Used
Example:	N3*4251 S ELECTRIC ST*MS 25	

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	N301	166	Address Information	M AN 1/55
			Address information	
Optional	N302	166	Address Information	O AN 1/55
			Address information	
			To be used in the event of an overflow from N301	

Segment: **N4 Geographic Location**
Position: 070
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the U.S. or Canada.

NJ Use:	Request:	Optional for Party to Receive Copy of Notices (not bills)
		<ul style="list-style-type: none"> New Jersey Natural Gas and PSE&G will not send this information
	Response:	Not Used

Examples: N4*ANYTOWN*NJ*07017
 N4*ANYTOWN*NJ*070171269*US

Data Element Summary

	Ref.	Data	Name	X12 Attributes
	Des.	Element		
Must Use	N401	19	City Name	O AN 2/30
			Free-form text for city name	
Must Use	N402	156	State or Province Code	O ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency	
Must Use	N403	116	Postal Code	O ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
Optional	N404	26	Country Code	O ID 2/3
			Code identifying the country	

Segment: **PER** Administrative Communications Contact
Position: 080
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:**Comments:**

NJ Use:	Request:	Optional for Party to Receive Copy of Notices (not bills)
		<ul style="list-style-type: none"> New Jersey Natural Gas and PSE&G does not maintain this information and will not send it.
	Response:	Not Used
Example:	PER*IC*ANN SMITH*TE*8005559876*FX*8005556789*EM*CUSTOMER@SERVICE.COM	

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named IC Information Contact	M ID 2/2
Optional	PER02	93	Name Free-form name	O AN 1/60
Must Use	PER03	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Must Use	PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Optional	PER05	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Optional	PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Optional	PER07	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Optional	PER08	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80

Segment: N1 Name (2C = Co-Participant)
Position: 040
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

NJ Use:	Request:	Optional for Party to Receive Copy of Bills
		<ul style="list-style-type: none"> New Jersey Natural Gas and PSE&G will not send this information.
	Response:	Not Used
Example:	N1*2C*THOMAS SMITH	

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			2C Co-Participant	
			Used to identify a third party who shares responsibility for payment of the customer's bill. This party will receive copies of all bills, not notices.	
Must Use	N102	93	Name	X AN 1/60
			Free-form name	

Segment: **N3** Address Information
Position: 060
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

NJ Use:	Request:	Optional for Party to Receive Copy of Bills
	Response:	<ul style="list-style-type: none"> New Jersey Natural Gas and PSE&G will not send this information.
		Not Used
Example:	N3*4251 S ELECTRIC ST*MS 25	

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	N301	166	Address Information	M AN 1/55
			Address information	
Optional	N302	166	Address Information	O AN 1/55
			Address information	
			To be used in the event of an overflow from N301	

Segment: **N4 Geographic Location**
Position: 070
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

NJ Use:	Request:	Optional for Party to Receive Copy of Bills
		<ul style="list-style-type: none"> New Jersey Natural Gas and PSE&G will not send this information.
	Response:	Not Used

Examples: N4*ANYTOWN*PA*07017
N4*ANYTOWN*PA*070171269*US

Data Element Summary

	Ref.	Data	Name	X12 Attributes
	Des.	Element		
Must Use	N401	19	City Name	O AN 2/30
			Free-form text for city name	
Must Use	N402	156	State or Province Code	O ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency	
Must Use	N403	116	Postal Code	O ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
Optional	N404	26	Country Code	O ID 2/3
			Code identifying the country	

Segment: **PER** Administrative Communications Contact
Position: 080
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:**Comments:**

NJ Use:	Request:	Optional for Party to Receive Copy of Bills
		<ul style="list-style-type: none"> New Jersey Natural Gas and PSE&G will not send this information.
	Response:	Not Used
Example:	PER*IC*THOMAS SMITH*TE*8005552878*FX*8005556789*EM*CUSTOMER@SERVICE.COM	

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named IC Information Contact	M ID 2/2
Optional	PER02	93	Name Free-form name	O AN 1/60
Must Use	PER03	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Must Use	PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Optional	PER05	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Optional	PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Optional	PER07	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Optional	PER08	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80

Segment:	LIN Item Identification						
Position:	010						
Loop:	LIN Optional						
Level:	Detail						
Usage:	Optional						
Max Use:	1						
Purpose:	To specify basic item identification data						
Syntax Notes:	<ol style="list-style-type: none"> 1 If either LIN04 or LIN05 is present, then the other is required. 2 If either LIN06 or LIN07 is present, then the other is required. 3 If either LIN08 or LIN09 is present, then the other is required. 4 If either LIN10 or LIN11 is present, then the other is required. 5 If either LIN12 or LIN13 is present, then the other is required. 6 If either LIN14 or LIN15 is present, then the other is required. 7 If either LIN16 or LIN17 is present, then the other is required. 8 If either LIN18 or LIN19 is present, then the other is required. 9 If either LIN20 or LIN21 is present, then the other is required. 10 If either LIN22 or LIN23 is present, then the other is required. 11 If either LIN24 or LIN25 is present, then the other is required. 12 If either LIN26 or LIN27 is present, then the other is required. 13 If either LIN28 or LIN29 is present, then the other is required. 14 If either LIN30 or LIN31 is present, then the other is required. 						
Semantic Notes:	1 LIN01 is the line item identification						
Comments:	<ol style="list-style-type: none"> 1 See the Data Dictionary for a complete list of IDs. 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU. 						
UIG Notes:	<p>The 3070 version of the 814 guideline allowed all services to be transmitted in one LIN segment. This was difficult to process and track. Version 4010 restricts the use of LIN03 to identify the product (electric vs. gas) and LIN05 to identify the service being requested. For example, <i>LIN*SH*EL*SH*CE</i> indicates that the product is electric and 'generation services' is the service being requested. Multiple LINs may be sent to request multiple services for one account.</p> <p>Other examples: LIN*SH*EL*SH*HU\ requests historical usage of electric service LIN*SH*GAS*SH*MI\ requests meter information on the gas service</p>						
NJ Use:	<table> <tr> <td>Request:</td><td>Required</td></tr> <tr> <td>Accept Response:</td><td>Required</td></tr> <tr> <td>Reject Response:</td><td>Required if it was provided on the request.</td></tr> </table> <p>NJ Options The only valid codes in New Jersey are Enrollment (CE)</p>	Request:	Required	Accept Response:	Required	Reject Response:	Required if it was provided on the request.
Request:	Required						
Accept Response:	Required						
Reject Response:	Required if it was provided on the request.						

Examples:	LIN*CE199912310800000001*SH*GAS*SH*CE	(Generation Services)
	LIN*HU199912310800000002*SH*GAS*SH*HU	(Historical Usage)
	LIN*MI199912310800000003*SH*GAS*SH*MI	(Meter Information)
	LIN*SR199912310800000004*SH*GAS*SH*SR	(Special Meter Read)
	LIN*SI199912310800000005*SH*GAS*SH*SI	(Summary Interval)

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	LIN01	350	Assigned Identification	O AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	
			On the request, this is a unique tracking number for each line item (LIN) in this transaction. This number must be unique over all time. This number must be returned on the response transaction in the same element. This tracking number was provided in TN in Version 3070.	
Must Use	LIN02	235	Product/Service ID Qualifier	M ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			SH Service Requested	
Must Use	LIN03	234	Product/Service ID	M AN 1/48
			Identifying number for a product or service	
			EL Electric Service	
			GAS Gas Service	
			Identifies the product	
Must Use	LIN04	235	Product/Service ID Qualifier	M ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			SH Service Requested	
Must Use	LIN05	234	Product/Service ID	M AN 1/48
			Identifying number for a product or service	
	"Primary Service"		CE Generation Services	
			Indicates this transaction relates to Customer Enrollment	

Segment: **ASI** Action or Status Indicator
Position: 020
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate the action to be taken with the information provided or the status of the entity described

Syntax Notes:**Semantic Notes:****Comments:**

Notes:	Identifies the action to be taken or the status of a requested action for the service identified in the LIN segment. Status Reason Codes are conveyed in the REF segment (position 030) rather than in the ASI03, to allow for multiple status reasons.	
NJ Use:	Request:	Required
	Accept Response:	Required
	Reject Response:	Required
Request Example:	ASI*7*025	
Response Examples:	ASI*7*025	Request
	ASI*WQ*025	Accept Response
	ASI*U*025	Reject Response

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	ASI01	306	Action Code	M ID 1/2
			Code indicating type of action	
			7 Request	
			U Reject	
			WQ Accept	
Must Use	ASI02	875	Maintenance Type Code	M ID 3/3
			Code identifying the specific type of item maintenance	
			025 Reinstatement	

Segment: **REF** Reference Identification (7G = Reject Reason)
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes:	This iteration of the REF segment is used to convey the rejection reason codes in response to a Request. The rejection reason codes are conveyed in this segment rather than in the ASI03 to allow for multiple rejection reasons.
NJ Use:	Request: Not Used Accept Response: Not Used Reject Response: Required
Example:	REF*7G*A13*ADDITIONAL REASON TEXT HERE

Data Element Summary

Ref.	Data	Name	X12 Attributes
<u>Des.</u>	<u>Element</u>		
Must Use	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		7G Data Quality Reject Reason	
		Reject reasons associated with a reject status notification.	

Rules for Rejection Reason Codes

The codes on the next several pages have been identified by the UIG to convey rejection reasons. Only the codes listed for each service are valid for that service. If you require additional codes, send an email to the appropriate state's listserver.

“A13” (Other) must **only** be used when an existing error code does not convey the reason correctly.

Customer Reinstatement (CE) Rejection Codes:

Must Use	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			A13	Other	
				REF03 Required.	
			A76	Account not found	
				This includes invalid account numbers as well as no account number being found.	
			ABN	Duplicate request received	
			ACI	Action Code (ASI01) Invalid	
			DIV	Date/Time Invalid or Missing	
				Used to indicate any error in the Customer Contract Effective Date (DTM*129). This would indicate an invalid date, such as 2/30/2000.	
			MTI	Maintenance Type Code (ASI02) Invalid	
			UND	Cannot identify ESP	
Optional	REF03	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			Used to further describe the status reason code sent in REF02. Codes "A13" and "API" require text explanation in this element.		

Segment:	REF Reference Identification (11 = ESP Account Number)
Position:	030
Loop:	LIN Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02.
Comments:	
NJ Use:	Request: Conditional - GDC's are required to provide this data if store in their system Accept Response: Optional Reject Response: Optional GDCs are not required to store ESP account number their system. GDCs if storing will do so if provided on 814 enrollment and/or 814 change. If GDC does store ESP account number, GDC will provide ESP account number on all transactions. All GDCs except for Elizabethtown are storing ESP account number.
Example:	REF*11*2348400586

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			11 Account Number	
			ESP-assigned account number for end use customer.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment:	REF Reference Identification (12 = GDC Account Number)						
Position:	030						
Loop:	LIN Optional						
Level:	Detail						
Usage:	Optional						
Max Use:	>1						
Purpose:	To specify identifying information						
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required. 						
Semantic Notes:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02. 						
Comments:							
NJ Use:	Must be identical to account number as it appears on the customer's bill, excluding punctuation (spaces, dashes, etc.). Significant leading and trailing zeros must be included.						
	<table> <tr> <td>Request:</td><td>Required</td></tr> <tr> <td>Accept Response:</td><td>Required</td></tr> <tr> <td>Reject Response:</td><td>Required – when the rejection reason is due to a GDC account number not being provided in the request, this segment must not be sent on the response.</td></tr> </table>	Request:	Required	Accept Response:	Required	Reject Response:	Required – when the rejection reason is due to a GDC account number not being provided in the request, this segment must not be sent on the response.
Request:	Required						
Accept Response:	Required						
Reject Response:	Required – when the rejection reason is due to a GDC account number not being provided in the request, this segment must not be sent on the response.						
Example:	REF*12*2931839200						

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			12 Billing Account	
			GDC-assigned account number for end use customer.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment:	REF Reference Identification (45 = GDC Old Account Number)				
Position:	030				
Loop:	LIN Optional				
Level:	Detail				
Usage:	Optional				
Max Use:	>1				
Purpose:	To specify identifying information				
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required. 				
Semantic Notes:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02. 				
Comments:					
NJ Use:	<table> <tr> <td>Request:</td><td>Required if the account number has changed in the last 60 days.</td></tr> <tr> <td>Response:</td><td>Not Used</td></tr> </table>	Request:	Required if the account number has changed in the last 60 days.	Response:	Not Used
Request:	Required if the account number has changed in the last 60 days.				
Response:	Not Used				
Example:	REF*45*1105687500				

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			45 Old Account Number	
			GDC's previous account number for the end use customer.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **REF** Reference Identification (BF = GDC Billing Cycle)
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

NJ Use:	Request:	Required
	Response:	Not Used
Example:	REF*BF*15	

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			BF	Billing Center Identification
				GDC Billing cycle. Cycle number when the billing will be rendered.
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **REF** Reference Identification (BLT = Billing Type)
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

NJ Use:	Request:	Required
	Response:	Not Used
Example:	REF*BLT*LDC	

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			BLT	Billing Type
				Identifies whether the bill is consolidated by the GDC or ESP, or whether each party will render their own bill. See REF02 for valid values.
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
				Valid codes are utility-specific.

Segment: **REF** Reference Identification (PC = Calculates Charges)
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

NJ Use:	Request:	Required
	Responses:	Not Used
Example:	REF*PC*LDC	

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification PC Production Code Identifies the party that is to calculate the charges on the bill.	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier When REF01 is PC, valid values for REF02 are: LDC - The GDC calculates the charges on the bill (Rate Ready) DUAL - Each party calculates its portion of the bill (Dual or Bill Ready)	X AN 1/30

IF ...			THEN...	
Bills the Customer	Calculates		Billing Party	Calc. Party
	GDC Portion	ESP Portion	REF*BLT	REF*PC
GDC	GDC	GDC	LDC	LDC
GDC	GDC	ESP	LDC	DUAL
ESP	GDC	ESP	ESP	DUAL
DUAL	GDC	ESP	DUAL	DUAL

Be careful to use the UIG Standard Code Values LDC and ESP rather than the New Jersey versions of those codes.

Segment: **DTM** Date/Time Reference (007 = Effective Date)
Position: 040
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:**Comments:**

Notes:	To specify a time zone (DTM04), both DTM03 and DTM04 must be present.		
NJ Use:	Request:	Required	
	Response:	Not Used	
Example:	DTM*007*19990411*1201*ET		

Data Element Summary

	Ref.	Data	Name	X12 Attributes
	Des.	Element		
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			007 Effective Date	
			The date/time the customer contacted the GDC to reinstate service with the ESP.	
Must Use	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
Optional	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
			Time expressed as HHMM format	
Optional	DTM04	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
			ET	Eastern Time

Segment: **DTM** **Date/Time Reference (150 = Service Period Start)**
Position: 040
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:**Comments:**

NJ Use:	Request:	Required
	Responses:	Not Used
Example:	DTM*150*19990115	

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			150 Service Period Start	
			The date which gas is expected to flow for this customer for the ESP.	
Must Use	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

Segment: **AMT** Monetary Amount (DP = Tax Exemption)
Position: 060
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

PA Use: This field is used for the sending party to tell the receiving party the tax exemption amount that should be entered into the receiving party's system in order to calculate a bill on the sender's behalf. This is required only for rate-ready GDC Consolidated billing where the GDC has loaded the ESP rates into their system, the GDC calculates the ESP charges, and places the ESP charges on the GDC bill
 A tax exemption certificate must be secured from the customer.

Request: Required if GDC is calculating the ESP portion of the bill
Note: Since the rate must include taxes, ESP should always set this to 100% tax exempt in NJ.

Response: Not Used

Examples: AMT*DP*.75
 AMT*DP*.7599

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	AMT01	522	Amount Qualifier Code	M ID 1/3
			Code to qualify amount	
			DP	Exemption
				Tax Exemption: This code is used when a portion of the provided service is exempt from taxation. Element AMT02 identifies the percentage of the service that is tax exempt.
Must Use	AMT02	782	Monetary Amount	M R 1/18
			Monetary amount	
				For percentage values, the whole number "1" represents 100 percent; decimal numbers less than "1" represent percentages from 1 percent to 99.9999 percent.

Segment: **AMT** Monetary Amount (LD = Number of Months included in Total Therms)
Position: 060
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

NJ Use:	Request:	Optional
	Response:	Not Used
Example:	AMT*LD*12	

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	AMT01	522	Amount Qualifier Code	M ID 1/3
			Code to qualify amount	
			LD	Incremental
				Number of Months over which the Total Therms (AMT*TA) and/or Peak Demand (AMT*MA) are calculated.
Must Use	AMT02	782	Monetary Amount	M R 1/18
			Monetary amount	
			Number of Months	

Segment: **AMT** Monetary Amount (MA= DCQ)
Position: 060
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

NJ Use:	Request:	Optional	<ul style="list-style-type: none"> PSE&G will provide this value for accounts with 14 months of usage history available and/or do not require manual calculation else will provide “zero”.
	Response:	Not Used	
Example:	AMT*MA*12345678.999		

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	AMT01	522	Amount Qualifier Code	M ID 1/3
			Code to qualify amount	
			MA	Maximum Amount
				GDC's DCQ for customer at time of enrollment
Must Use	AMT02	782	Monetary Amount	M R 1/18
			Monetary amount	

Segment: **AMT** Monetary Amount (TA = Total Therms)
Position: 060
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

NJ Use:	Request:	Optional
	Response:	Not Used
Example:	AMT*TA*12345678.912	

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	AMT01	522	Amount Qualifier Code	M ID 1/3
			Code to qualify amount	
			TA	Total Annual Sales
				Total Therms for (AMT*LD) period
Must Use	AMT02	782	Monetary Amount	M R 1/18
			Monetary amount	
			Total Therms	

Segment: **NM1** Individual or Organizational Name (Meter Number)
Position: 080
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: 1 If either NM108 or NM109 is present, then the other is required.
2 If NM111 is present, then NM110 is required.
Semantic Notes: 1 NM102 qualifies NM103.
Comments: 1 NM110 and NM111 further define the type of entity in NM101.

Notes:	This loop is used to convey meter level information.	
NJ Use:	Request:	Required (NM109=ALL is not valid on the Response transaction; NM109 must equal meter numbers or unmetered) South Jersey Gas will only accept NM109=ALL
	Response:	Not Used
Examples:	NM1*MQ*3*****32*1234568MG	
	NM1*MQ*3*****32*UNMETERED	
	NM1*MQ*3*****32*ALL	

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	NM101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual MQ Meter Location	M ID 2/3
Must Use	NM102	1065	Entity Type Qualifier Code qualifying the type of entity 3 Unknown	M ID 1/1
Must Use	NM108	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 32 Assigned by Property Operator Meter Number	X ID ½
Must Use	NM109	67	Identification Code Code identifying a party or other code Meter Number UNMETERED – for Unmetered Services on the Response transaction ALL – for ALL meters on the Request transaction	X AN 2/80

Segment: **REF** Reference Identification (BN = Rate Amount)

Position: 130

Loop: NM1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

NJ Use:	Request:	Required for each meter type for each meter that is used for billing purposes that has dials. This segment will not be provided in the NM1 loop for UNMETERED services.
	Response:	Not Used

Examples:

REF*BN*0.12345

REF*BN*10.00001

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			BN	Booking Number
				Rate Amount
				ESP Rate for the customer displayed a a monetary amount.
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Monetary Amouunt in format of max. 2 digits to left of the decimal point, and of max. 5 digits to the right of decimal point.	
			Example for 3.5 cents per therm REF*BN*0.035	
			Example for 4.5 dollars per therm REF*BN*4.50	

Segment: **REF** Reference Identification (DQ = Highest Month Average Daily (HMAD))

Position: 130

Loop: NM1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

NJ Use:	Used by New Jersey Natural Gas Only
Request:	Required for New Jersey Natural Gas
Response:	Not Used
Example:	REF*DQ*10.9

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			DQ	Delivery Quote Number
				Highest Month Average Daily (HMAD)
				Customer/Meter average daily usage for month in which they had the highest use per day. This value is initially set and subject to monthly review to determine if changes are warranted based on customer usage
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment:	REF Reference Identification (NH = GDC rate class)
Position:	130
Loop:	NM1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02.
Comments:	
NJ Use:	Request: Required for each meter that is used for billing purposes.
	Response: Not Used
Example:	REF*NH*RS1

Data Element Summary				
	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			NH Rate Card Number	
			Identifies a GDC rate class or tariff	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **REF** Reference Identification (PR = GDC Rate Subclass)
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

NJ Use:	Request:	Conditional: If maintained by utility, must be sent for each meter that is used for billing purposes. This segment must also be sent when account has UNMETERED services available for generation service.
	Response:	Not Used
Example: REF*PR*123		

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification PR Price Quote Number GDC Rate Subclass – Used to provide further classification of a rate.	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **REF** Reference Identification (PRT = Type of Service)

Position: 130

Loop: NM1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

NJ Use:	Request:	Required for New Jersey Natural Gas only Capacity Release Options
		This is an option a supplier may select to enroll a customer/meter which will prompt NJNG to release pipeline capacity, on a monthly basis, for Supplier use on behalf of the customer. The supplier may nominate the quantity of gas to NJNG's city gate or another utility if they choose.
		Valid values: Y - YES N - NO
	Response:	Not Used
Example:	REF*PRT*Y REF*PRT*N	

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			PRT Product Type	
			Type of Service – Used to provide choice of Capacity Release Option.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment:	REF Reference Identification (RB = ESP Rate Code)
Position:	130
Loop:	NM1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02.
Comments:	
NJ Use:	<p>Required by NJNG only if GDC Rate Ready billing option is selected for customer. Allows a supplier to choose between three calculation methods to derive a customer's total bill. The actual rate used in the calculation is provided at the meter level using segment REF*BN</p> <p>Valid calculation values and description:</p> <p>1 - % discount, A percentage discount off what the customer would have been billed at NJNG's Non-Transportation rates.</p> <p>4 - per therm rate. A commodity rate applied to customers metered consumption</p> <p>5 - rebundled flat rate or Burner tip price. A straight per therm rate relative to the customers metered consumption, which is inclusive of all fixed charges.</p> <p>In the case of a multi-metered account a supplier must apply the same option value (1,4 or 5) to each meter, however they could have a different rate per meter (REF*BN). In other words, meter 1 could not be opt(5)and meter 2 option (4), however, meter 1 could be opt (5) rate 0.345 and meter 2 could be opt (5) and rate .456.</p> <p>Request: Required if the GDC is calculating the ESP charges (Rate Ready). This segment must also be sent when account has UNMETERED services available for generation service (Rate Ready).</p> <p>Response: Not Used</p>
Example:	REF*RB*A29

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			RB Rate code number	
			ESP Rate Code for the customer	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **REF** Reference Identification (SJ = Maximum Daily Quantity (MDQ))

Position: 130

Loop: NM1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

NJ Use: Used by New Jersey Natural Gas Only

Request:

Required for New Jersey Natural Gas Only

The two values (MDQ/HMAD) are used to derive the other fixed billable unit (Maximum Daily Balance Quantity)

(MDB): This is the maximum quantity of gas balanced, by NJNG, for a customer/meter on a daily basis. NJNG does not need a home for MDB as it is calculated as follows (MDQ less HMAD = MDB)

All other Request:

Not Used

Response:

Not Used

Example: REF*SJ*10.9

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			SJ	Set Number
				Maximum Daily Quantity (MDQ)-
				This is on the calculated HMAD to derive a value for a customer's peak day usage.
				Since this is a function of HMAD it also is initially set and subject to monthly review to determine if changes are warranted based on customer usage. This value is a fixed billable unit in NJNGs Tariff.
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **REF** Reference Identification (TZ = GDC Meter Read Cycle)
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

NJ Use:	Request:	Required for each meter that is used for billing purposes. This segment is optional in the NM1 Loop for UNMETERED services.
	Response:	Not Used
Example:	REF*TZ*15	

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			TZ	Total Cycle Number
				GDC Meter Cycle. Cycle number when the meter will be read.
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **REF** Reference Identification (MT = Meter Type)
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:

NJ Use:	There will be only be one REF*MT segment for each NM1 loop.
Request:	Required for each meter that is used for billing purposes. This segment will not be provided in the NM1 loop for UNMETERED services
Response:	Not Used
Example:	REF*MT*HHMON

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification MT Meter Ticket Number Meter Type	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier When REF01 is MT, the meter type is expressed as a five-character field. The first two characters are the type of consumption, the last three characters are the metering interval.	X AN 1/30
			Type of Consumption	Metering Interval
			HH Hundred Cubic Feet	MON Monthly
			TZ Thousand Cubic Feet	

For Example:

HHMON	Hundred Cubic Feet Per Month
TZMON	Thousand Cubic Feet per 15 minute interval

Segment:	REF Reference Identification (4P = Meter Constant (Meter Multiplier))
Position:	130
Loop:	NM1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Comments:	

NJ Use: There will be one REF*4P segment for each Meter Type. This means that there may be more than one REF*4P segment per meter.

Request: Required for each meter type for each meter that is used for billing purposes. This segment will **not** be provided in the NM1 loop for UNMETERED services

Response: Not Used

Example: REF*4P*10*HHMON
REF*4P*100*TZMON

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 4P Affiliation Number Meter Constant (Meter Multiplier) (Ending Reading – Beginning Reading) * Meter Multiplier = Billed Usage	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Must Use	REF03	352	Description A free-form description to clarify the related data elements and their content Meter Type (see REF*MT for valid codes). “	X AN 1/80

Segment: **REF** Reference Identification (IX = Number of Dials)
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

NJ Use: There will be one REF*IX segment for each Meter Type. This means that there may be more than one REF*IX segment per meter.

Request: Required for each meter type for each meter that is used for billing purposes that has dials. This segment will **not** be provided in the NM1 loop for UNMETERED services.

Response: Not Used

Examples:
 REF*IX*6.0*HHMON
 REF*IX*5.1*TZMON
 REF*IX*4.2*HH015

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IX Item Number Number of Dials on the Meter displayed as the number of dials to the left of the decimal, a decimal point, and the number of dials to the right of the decimal.	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Must Use	REF03	352	Description A free-form description to clarify the related data elements and their content Meter Type (see REF*MT for valid codes).	X AN 1/80

# Dials	Positions to left of decimal	Positions to right of decimal	X12 Example
6	6	0	REF*IX*6.0
6	5	1	REF*IX*5.1
6	4	2	REF*IX*4.2

Segment:	REF Reference Identification (TU = Type of metering information)				
Position:	130				
Loop:	NM1 Optional				
Level:	Detail				
Usage:	Optional				
Max Use:	>1				
Purpose:	To specify identifying information				
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required. 				
Semantic Notes:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02. 				
Comments:					
NJ Use:	There will be one REF*TU segment for each Time Of Use reading (for each meter type for each meter) that will be provided on the 867.				
	<table> <tr> <td>Request:</td><td>Required for each meter type for each non-interval meter that is used for billing purposes. This segment is provided for UNMETERED services and reflects the type of usage that is reported on the 867.</td></tr> <tr> <td>Response:</td><td>Not Used</td></tr> </table>	Request:	Required for each meter type for each non-interval meter that is used for billing purposes. This segment is provided for UNMETERED services and reflects the type of usage that is reported on the 867.	Response:	Not Used
Request:	Required for each meter type for each non-interval meter that is used for billing purposes. This segment is provided for UNMETERED services and reflects the type of usage that is reported on the 867.				
Response:	Not Used				
Example:	REF*TU*41*TZMON REF*TU*42*TZMON REF*TU*51*TZMON				

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			TU Trial Location Code	
			Used to indicate the type of metering information that will be sent on the 867 transaction.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			41 Off Peak	
			42 On Peak	
			43 Intermediate	
			51 Totalizer	
Must Use	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
			Meter Type (see REF*MT for valid codes).	

Segment: **SE** Transaction Set Trailer
Position: 150
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:**Semantic Notes:**

Comments: 1 SE is the last segment of each transaction set.

NJ Use: Required

Example: SE*28*000000001

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

EXAMPLES

Example: : Reinstatement Request

Rate Ready:

Request is for Customer Reinstatement only. Account has 2 meters. Meter 123857G measures ccf, Meter 218737S measures ccf (totalized only).

BGN*13*199904020830531*19990402***	Response, unique transaction identification number, transaction creation date and original request transaction identification number
N1*8S*GDC COMPANY*1*007909411**41	GDC Name, GDC DUNS information, submitter
N1*SJ*ESP COMPANY*9*007909422ESP1**40	ESP Name, ESP DUNS information, receiver
N1*8R*CUSTOMER NAME*92*1210	Customer Name and reference number
N3*123 N MAIN ST*FLR 13	Service address
N4*ANYTOWN*PA*18111**CO*LEHIGH	City/State/Zip and County for Service Address.
PER*IC*MARY JONES*TE*8005559876	Customer Contact name and telephone number
N1*BT*ACCOUNTS PAYABLE DEPT	Bill to party
N3*100 WEST AVENUE	Bill to address
N4*ANYTOWN*PA*18111	Bill to City/State/Zip
PER*IC*KELLY WEST*TE*8005559876	Bill To Contact name and telephone number
N1*PK*FRANK SMITH	Party to Receive Copy Name
N3*459 AVENUE B	Party to Receive Copy Address
N4*ANYTOWN*PA*18111	Party to Receive Copy City/State/Zip
PER*IC*FRANK SMITH*TE*8005559876	Party to Receive Copy Name
N1*2C*CAROL WRIGHT	Co-Participant Name
N3*23948 MAIN STREET	Co-Participant Address
N4*ANYTOWN*PA*18111	Co-Participant City/State/Zip
PER*IC*CAROL WRIGHT*TE*8005559876	Co-Participant Name and telephone number
LIN*CE1999123100002*SH*GAS*SH*CE	Unique transaction reference number, reinstatement request for gas Customer Reinstatement
ASI*7*025	Accept Reinstatement request
REF*11*2348400586	ESP Account Number
REF*12*293839200	GDC Account Number
REF*BF*18	GDC Billing Cycle
REF*BLT*LDC	GDC consolidates the GDC and ESP charges
REF*PC*LDC	GDC calculates ESP charges
DTM*007*19990401*1430*ET	Date/time/time zone customer agreed to obtain service from the Service Provider
DTM*150*19990425	Estimated Start date
AMT*LD*12	Number of months over which the total ccf are calculated
AMT*MA*50	DQC
AMT*TA*125500	Total Therms
NM1*MQ*3*****32*123857G	Meter number
REF*NH*GS1	GDC Rate class
REF*PR*123	GDC Rate Subclass
REF*RB*0300	ESP Rate Code
REF*TZ*18	GDC Meter Cycle
REF*MT*HHMON	Meter Type
REF*4P*1*HHMON	Meter constant on the ccf register
REF*IX*6.1*HHMON	Number of dials/digits
REF*TU*51*HHMON	Totalized metering information sent on the 867
NM1*MQ*3*****32*218737S	Meter Number
REF*NH*GS1	GDC Rate class

REF*PR*123	GDC Rate Subclass
REF*RB*0300	ESP Rate Code
REF*TZ*18	GDC Meter Cycle
REF*MT*HHMON	Meter Type
REF*4P*1*HHMON	Meter Constant
REF*IX*5.0*HHMON	Number of dials/digits
REF*TU*51*HHMON	Totalized metering information sent on the 867

Example: Reinstatement Response – Accepted

BGN*11*199904020830538*19990402***1199904020830531	Request, unique transaction identification number, transaction creation date, original Request transaction number
N1*8S*GDC COMPANY*1*007909411**40	GDC Name, GDC DUNS information, Receiver
N1*SJ*ESP COMPANY*9*007909422ESP1**41	ESP Name, ESP DUNS information, Submitter
N1*8R*CUSTOMER NAME	Customer Name
LIN*CE1999123100002*SH*GAS*SH*CE	Unique transaction reference number, reinstatement request for gas Customer Reinstatement
ASI*WQ*025	Accepted Reinstatement request
REF*11*2348400586	ESP Account Number
REF*12*293839200	GDC Account Number

Example: Reinstatement Response – Rejected

Rejected due to an invalid GDC Account Number.

BGN*11*199904020830538*19990402***199904020830531	Request, unique transaction identification number, transaction creation date, original Request transaction number
N1*8S*GDC COMPANY*1*007909411**40	GDC Name, GDC DUNS information, Receiver
N1*SJ*ESP COMPANY*9*007909422ESP1**41	ESP Name, ESP DUNS information, Submitter
N1*8R*CUSTOMER NAME	Customer Name
LIN*CE1999123100002*SH*GAS*SH*CE	Unique transaction reference number, reinstatement request for gas Customer Reinstatement
ASI*U*025	Reject Reinstatement request
REF*7G*A76*ACCOUNT NOT FOUND	Rejection Reason code.
REF*11*2348400586	ESP Account Number
REF*12*293839200	GDC Account Number